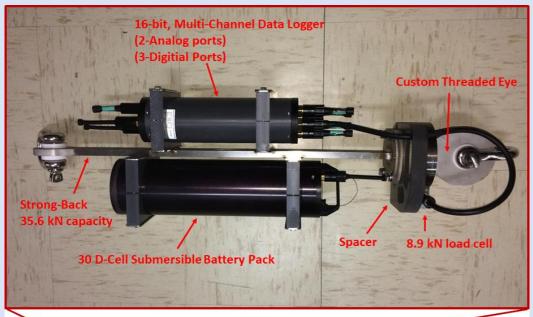
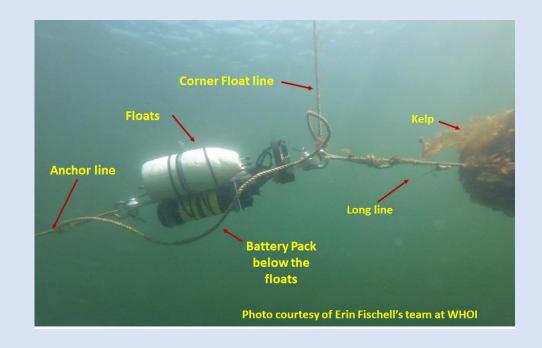
Instrumentation for validation: Load Cells and ADCPs



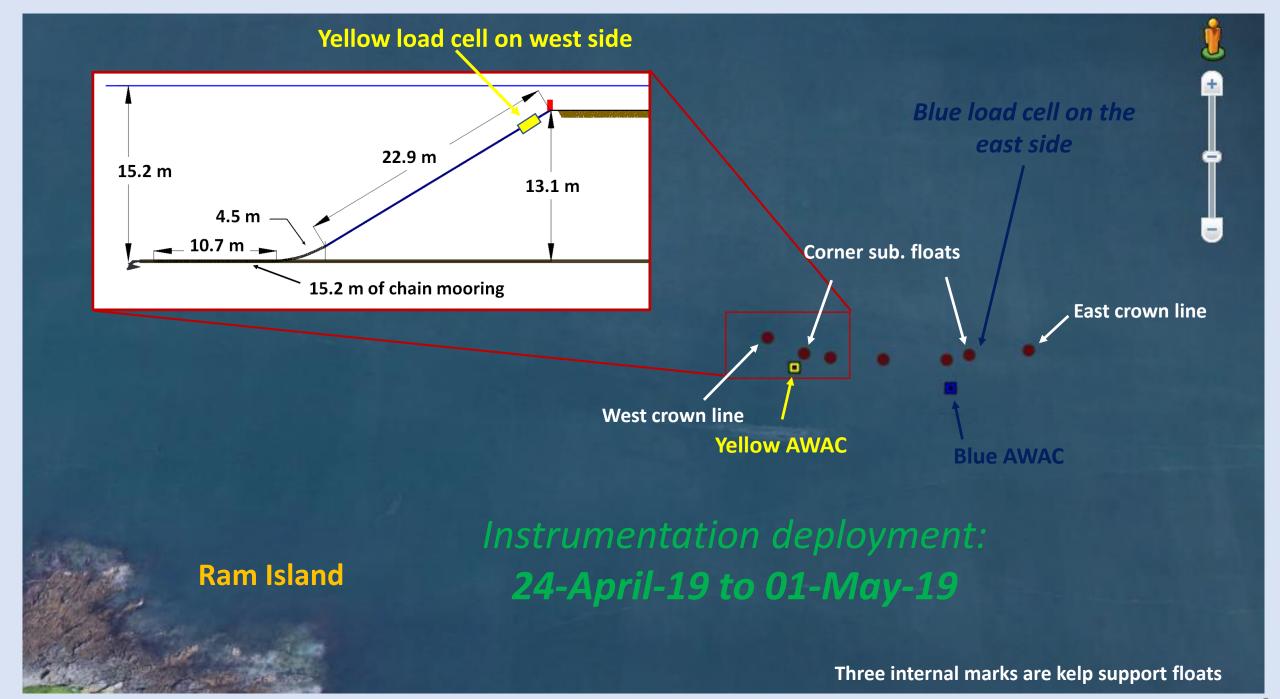




- 1. Water elevations
- 2. Velocity Profiles
- 3. Waves with direction
- 4. Mooring line tension

- Two Acoustic Wave and Current Sensors (AWACs)
- Two in-line load cells

Blue instruments - East Yellow instruments - West



Instrument results

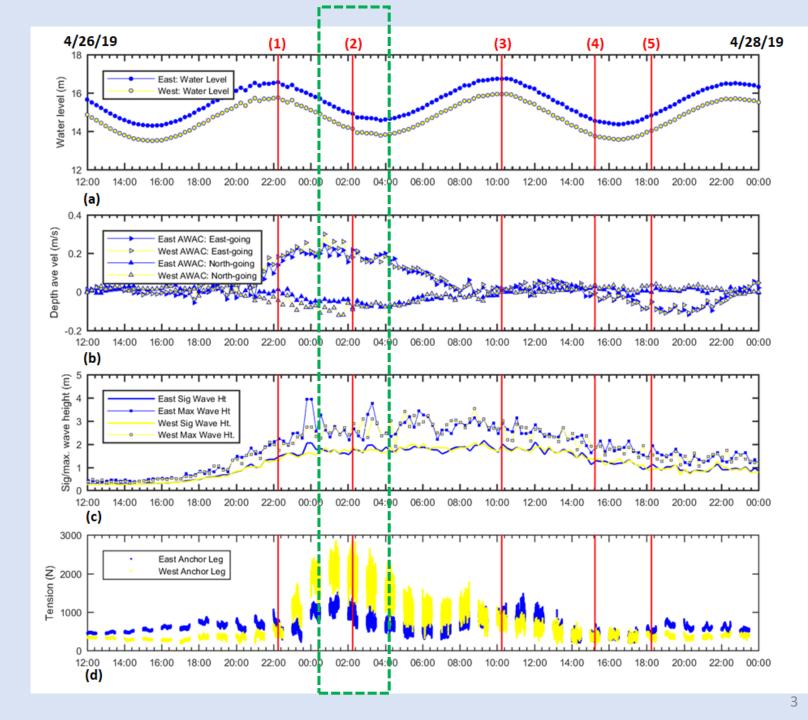
- (a) Water elevations
- (b) Depth ave velocity profiles
- (c) Waves with direction
- (d) Mooring line tension



5 load cases for validation

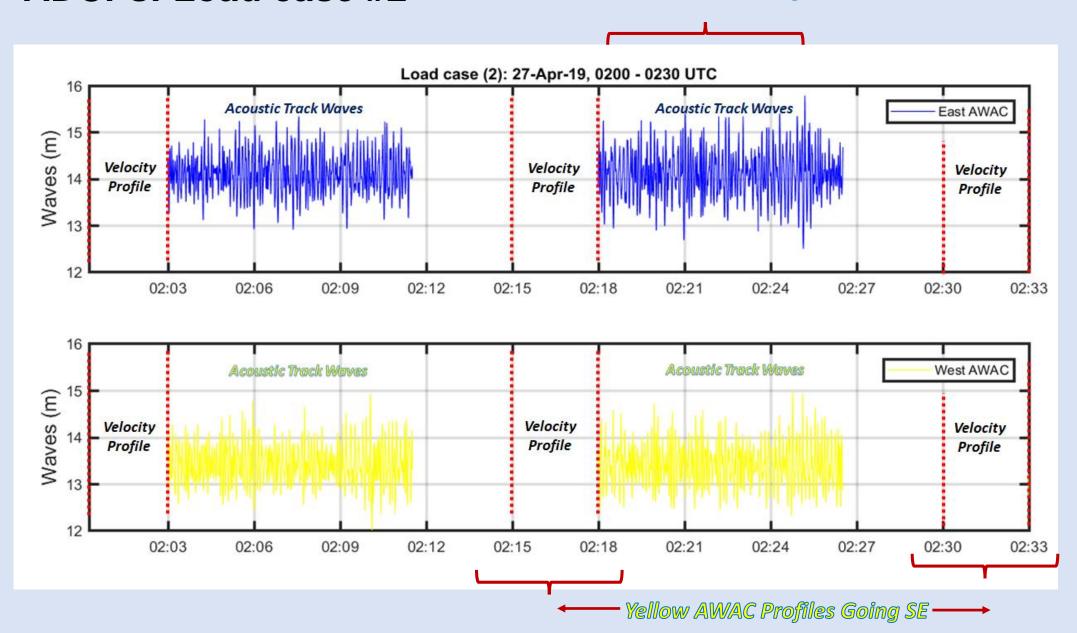


Focus on #2 {measurement and modeling fidelity}



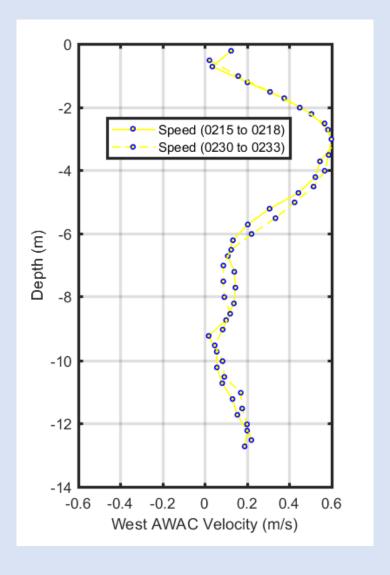
ADCPs: Load case #2

Blue AWAC Waves Going West

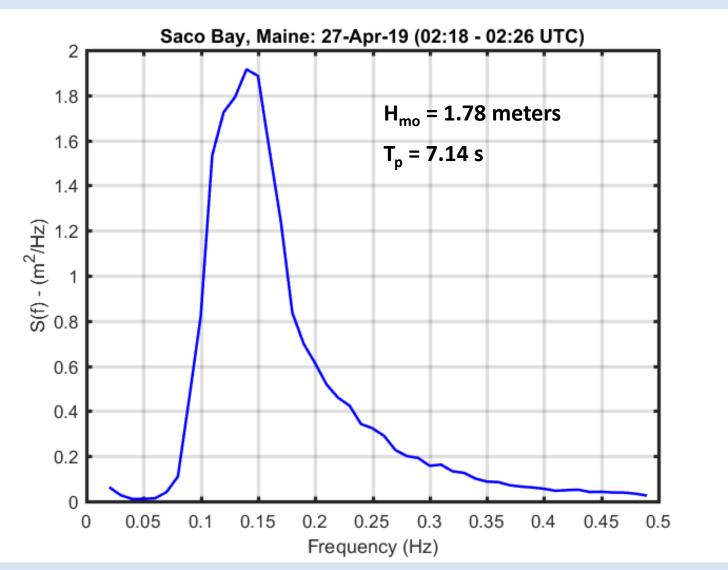


High fidelity input to numerical model

Yellow (west) AWAC Profiles Going SE



Blue (east) AWAC Waves Going West



... and compared with load cell measurements

